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[ ANARTS - Australian National Amateur Radio Teletype Society ]
[ I have asked these people several times to SINGLE SPACE their
  reports - I have not the time, nor indeed the inclination, to
  to it for them.  VK2KFU ]

ANARTS BROADCAST 909 19TH MAY 1996.

Australian   National   Amateur  Radio  Teleprinter   Society,
which includes  all digital modes,   with the weekly broadcast
on the following frequencies:

  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD COL
  7.045 MHz  -3              0030 UTC     VK2CTD COL
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM ALAN
 14.091 MHz                  0030 UTC
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY

        INTERNET         RADIO-INFO-DIST AT UCSD.EDU

A.N.A.R.T.S. News Bulletin 909  19TH MAY 1996

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COLS COLUMN.
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ONE  OF  THE  STATEMENTS  ANARTS MAKES IN  EACH  BROADCAST  IS
'INCLUDES ALL DIGITAL MODES'. WHEN YOU THINK OF IT MOST OF THE
MODES  WE USE OTHER THAN VOICE ARE DIGITAL IN  SOME  RESPECTS.
TAKE FOR INSTANCE CW. WE HAVE EITHER A DOT OR A  DASH, THAT IS
EITHER A 1 OR A 0.  THE SAME WITH RTTY,  WE HAVE EITHER A MARK
OR A SPACE,  THIS APPLIES TO AMTOR AND OTHER VARIANTS OF RTTY.

I'VE BEEN READING THE HISTORY OF THE EARLY MODES OF TELEGRAPHY
AND  IT  SEEMS TO ME THAT THE PRINCIPLE OF A 1 OR A 0  APPLIES
QUITE  A  LOT.  THE EARLIEST RECORDED MENTION OF  A  TELEGRAPH
SYSTEM  USING THE PRINCIPLE,  THOUGH AT FIRST GLANCE IT  WOULD
NOT  APPEAR  TO DO SO,  IS THE FOLLOWING.  IN  1753  A  LETTER
APPEARED  IN  THE   'SCOTS MAGAZINE' WRITTEN BY  AN  ANONYMOUS
AUTHOR.  IT  WAS  TITLED 'AN EXPEDITIOUS METHOD  OF  CONVEYING
INTELLIGENCE'.IT DESCRIBES A SYSTEM IN WHICH WIRES RUN BETWEEN
THE TWO POINTS OF COMMUNICATION,  ONE FOR EACH CHARACTER TO BE
TRANSMITTED.  THAT WOULD BE QUITE A FEW IF ALL 26 ALPHA AND 10
NUMERIC  CHARACTERS  WERE  INCLUDED.   EACH  WIRE  WAS  TO  BE
TERMINATED INTO A PITH BALL WHICH WOULD LIFT A SMALL PIECE  OF
PAPER  WHEN AN ELECTRIC CURRENT WAS APPLIED TO THAT PARTICULAR
PITH BALL.  THE CURRENT WAS SUPPLIED BY A FRICTIONAL  ELECTRIC
MACHINE,  A STATIC ELECTRIC DEVICE.

THE OPERATION WAS SIMPLE,  AS EACH CHARACTER IS TO BE TRANSMITTED,
THE   APPROPRIATE WIRE IS TEMPORARILY CONNECTED AND THE  PIECE  OF
PAPER IS LIFTED. WHEN THAT CIRCUIT IS DISCONNECTED THE PAPER DROPS
DOWN  INTO ITS OWN SPECIALLY DESIGNED BOX.  THE RECEIVING OPERATOR
NOTED  EACH  CHARACTER  AS THE PIECES OF  PAPER  WERE  LIFTED  AND
DROPPED AND WROTE DOWN THE MESSAGE.

TO BE CONTINUED

THATS ALL FOR THIS WEEK 73S TO ALL DE COL VK2CTD.

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WEEKLY SOLAR AND GEOPHYSICAL REPORT

(10 MAY - 16 MAY)

ISSUED ON 17 MAY 1996

SUMMARY

Date	10	11	12	13	14	15	16
10cm	77	76	73	72	71	70	71
A	7	5	5	14	14	10 (10 ESTIMATED)	
T	13	14	13	23	18	10	10

SOLAR ACTIVITY WAS VERY LOW DURING THE PERIOD, EXCEPT FOR 12TH MAY WHEN ACTIVITY WAS LOW.

THE GEOMAGNETIC FIELD AT LEARMONTH W.A. WAS QUIET 10TH TO 12TH MAY, BECOMING UNSETTLED ON 13TH. THE FIELD WAS UNSETTLED TO ACTIVE 14TH MAY, REDUCING TO QUIET TO UNSETTLED 15TH AND 16TH.

MAXIMUM USABLE FREQUENCIES AT SYDNEY WERE 15 TO 30 PER CENT ENHANCED 10TH TO 11TH MAY, NEAR PREDICTED VALUES, ON 12TH, THEN ENHANCED TO 40 PER CENT 13TH AND 14TH, THEN NEAR PREDICTED VALUES ON 15TH AND 16TH. SPREAD F WAS PRESENT ON 12TH.

FORECAST (17 MAY - 23 MAY)

SOLAR: VERY LOW

GEOMAGNETIC: QUIET TO UNSETTLED UNTIL 20 MAY. UNSETTLED TO ACTIVE CONDITIONS EXPECTED 20-21 MAY DUE TO A CORONAL HOLE. UNSETTLED LEVELS EXPECTED 22 TO 23 MAY.

FREQUENCIES: MOSTLY NEAR PREDICTED MONTHLY VALUES, WITH DEGRADED HF COMMUNICATION CONDITIONS EXPECTED FOR MID-HIGH LATITUDES 20 TO 21 MAY.

COURTESY OF IPS RADIO AND SPACE SERVICES

VK2SG RTTY DX NOTES FOR WEEKENDING MAY 10, 1996 (BID RTDX0510)

OUR THANKS THIS WEEK GO TO: ZS5S, W2JGR, WB2CJL, AA5AU, WX5L,WS7I, VA3MM, KA9ZPE, K9APW, N1RCT, JA3PFZ, JA3CMD, JA2IVY, SP4KM,SP4CHY, DL9TL, DF8QB, DJ1TU, DK3CU, DL5KAT, EA1OD, PA0HVF, OH2BUA, F5PYI, F5PSI, F5NBU, I4MKN, I5IGQ, I1JQJ AND THE 425 DXGANG,DJ3IW AND THE CENTRAL EUROPE DX CLUSTER NODE DB0SPC THE NJ0M NODE OF MINNESOTA AND THE IK5PWJ PACKETCLUSTER.

BANDPASS:
FRIDAY 3
1504-14088 S53ZW
0015-14078 TI9X
0103-14078 TI9X QSX UP 14085
0111-14081 UA0SMF
1049-10143 TI9X
1121-14081 A71BH
1153-14085 OH0/SM3KOR QSL H.C.
1214-14081 UN5PR
1217-14084 4X6UO
1237-14089 ES7QF

1246-14089 XE3ARV
1241-14085 UT7FP
1258-14079 IS0QDV
1420-14091 JX7DFA
1444-14080 J28JY
1504-14088 S53ZW
1529-14083 4L1BR
1849-14080 5H3LM QSL BOX 519 ARUSH
1948-14089 4Z5AO
2017-14085 CE1YI
2052-14088 4Z6ZK
2110-14083 9Q5PAU
2115-14088 CX9BAE
2135-14080 EA9JZ
2138-14086 4Z5AV
2215-14085 ZP5YN
2238-14081 KP4YA

SATURDAY 4
1052-14085 OH0/SM3KOR
1123-21082 9J2LF
1220-14083 UA2AO
1223-14085 UU2JWA
1224-14084 HAM2VB
1239-14087 VK6APW
1248-14084 UN5PR
1310-14086 RX6AM
1315-14086 YO3FRI
1317-14082 4X6UO
1322-14088 IS0IIT
1325-14084 UN5PR
1347-14083 HL1KIS
1417-14083 J28BY
1444-14086 ZP5YW
1508-14090 BV7WB
1510-14086 4L1BR
1513-14086 VU2AVG
1622-14085 YB5NOF/8
1719-14083 UA2AO
1724-14080 Z31GB
1904-14088 9Q5MRC
2134-14084 UT6I
2140-14083 YV5NFL
2213-14081 GW3FSW
2215-14085 9A3TB
2218- 7032 UN5PR
2223-21086 A35CT
2233- 7032 UR5FGW
2259- 7034 UT0I
2300-14083 XE3ARV
2310- 3586 YL2KL
2322- 3585 UT0I
2327- 3586 SO5ASL
2343- 3588 Z30M

SUNDAY 5
0011- 7034 UR6F
0018- 7041 SV2BFN
0032-14083 UA0SMF
0113- 7039 YV5NFL
0436-14080 UT0I
0438-14082 Z30M
0438-14085 YL2KL

0644-14090 OH0/SM3KOR
0737-14081 YI1RS
0754-14079 FO5OP
0856-21086 Z30M
0922-21089 UN5PR
0942-21081 UT0I
1026-21085 V51GB
1113-14088 LY3MR
1105-14086 UR6F
1118-14080 EM5U
1121-14085 UR7E
1126-14084 UT6I
1201-21087 EA9JZ
1254-14081 RW6AWT
1631-14083 YV5NFL
1731-14077 5R8DG QSL VIA F6FNU
1947- 1837 UR6F
2049-14070 ZL8RI QSX UP
2147-14082 EA8ACM
2148-14086 HAM2VB
2311-14084 SV1AHV
2325-21085 ZL8RI QSX UP
2325-14080 XE3ARV

MONDAY 6
0729-14082 FO5OP
1210-14082 EI5IF
1217-14082 EX7MA
1218-14080 UX5YD
1233-14082 UA2AO
1304-14084 YB8NOF/8
1326-14082 IS0MYA
1401-14083 HL1KIS
1407-14085 VU2AVG
1612-14080 EA8IN
1642-14087 5H3LM
1655-14081 EW9OS
1705-14083 UR0HQ
1748-14084 UA2AO
1857-14087 EA9JZ
1938-14084 LU9BGR
1939-14080 CN8GB
2030-14087 UR5EDU
2052-14086 KP4RV
2243-14082 FG5GZ
2244-14084 HK1FGE

TUESDAY 7
0137-21070 ZL8RI
0342-14085 VK2KM
0757-14090 UA0SMF
0758-14086 NH6XM
0759-14082 RP9XUK
0846-14082 BD4TB
1128-14086 UA2AO
1701-14082 3D2AA
2031-14085 ZD7BJ
2033-14086 SV3YY
2033-14083 CN8GB
2125-14070 ZL8RI
2139-14088 KP4YA

WEDNESDAY 8

1216-14084 EW8OS
1324-14086 RX6AM
1553-14084 YB8NOF/8
1725-14085 4L1BR
1730-14088 3Z0WAW
1844-14085 KL7KJ
1850-14086 XT2DP QSL VIA WB2YQH
1853-14082 CN8LI
1959-14083 CN8GB
2001-14086 TA2II
2001-14084 EA9JZ
2024-14075 T9/OI6XY
2112-14086 LU9GBR
2148-14088 EW8OF

THURSDAY 9
0015-14086 CN8GB
0821- 7040 ZL8RI QSX UP
0838-14084 UA2AO
1130-14086 YI1FC
1147-14087 UT7FP
1221-14085 FT5WF
1353-14089 RK9CWA
1441-14081 ES7FQ
1632-14090 J28JJ
1719-14084 4L1BR
1845-14088 CN8GB
1910-14083 EA9JZ
1958-14080 4Z5AV
2007-14085 UR5EDU
2008-14080 US9QA
2037-14087 4L8A
2048-14084 T9/OI6XY
2143-14083 IS0YWA

NOTES OF INTEREST:

YEMEN, 7O. JEAN JACQUES, J28JJ NOW BACK HOME FROM HIS RECENT TRIP TO 7O, WROTE ME THE FOLLOWING... WORK IN 7O HAS BEEN HARD AND SHORT... LONG WIRE, WITH FT80C LOCATED IN THE CRATER IN ADEN. OPEN ONLY S/E OTHERS SIDE SOME ROCKS UP TO 300 METERS, SOME ACTIVITY BETWEEN JOB SESSIONS. BAD PROPAGATION DONT GIVE CHANCE TO DO MORE QSO. ONLY 145 DONE, 144 IN DIGITAL AND ONE IN SSB ON 7MHZ WITH LAURA 3A2MD. QSL CARDS FOR THIS UNOFFICIAL TEST WILL BE SENT VIA F6HGO BUT BE PATIENT I NEED TO SEND PRINTED CARDS AND THE FIRST REQUEST WILL RECEIVE A J288JJ/7O PRINTED POST CARD AND AN EXTRA NORMAL CARD WITH SPECIAL PICTURES FROM YEMEN OR ADEN (STAMPS). TNX TO ALL HAMS FOR THIS FUNNY XPED.

ETHIOPIA, ET. PETER, ET3BN IS NOW ACTIVE ALSO ON RTTY. LOOK FOR HIM AROUND 1800-1900Z ON 14085 KHZ PLUS OR MINUR QRM. PETER PREFERS QSL DIRECT TO POB 150194, ADDIS ABEBA, ETHIOPIA.

THE VK2SG RTTY DXNOTES ARE ALSO AVAILABLE ON INTERNET AT REFLECTORS DXVE7TCP.AMPR.ORG, AN DIGITAL-DXST.RIM.OR.JP. SEE ALSO THE OH2BUA WEBCLUSTER AT URL HTTP://WWW.CLINET.FI/JUKKA/WEBCLUSTER.HTML

FOR NEXT WEEK'S BULLETIN SEND YOUR BANDPASS TO LUCIANO, I5FLN AT ZS5S.ZAF.AF OR I5FLN.ITOS.ITA.EU.

GL DE (DX2) LUCIANO, I5FLN AT ZS5S.ZAF.AF

EXCERPTS FROM THE OHIO/PENN DX PACKETCLUSTER
DX BULLETIN NO. 254
MAY 13, 1996

THANKS TO THE NORTHERN OHIO AMATEUR RADIO SOCIETY, NORTHERN OHIO DX ASSOCIATION, OHIO/PENN PACKETCLUSTER NETWORK, N6EK, N8AC, W9JOO, AH0W/OH2LVG, DF4RD, DL7VOA, DL9GOA & DX NEWS LETTER, F6AJA, G4BUE & DX NEWS SHEET, GM4FDM, HS0/G3NOM, PA3ERL, PA0GAM/YB3AQE AND SM0OEK FOR THE FOLLOWING DX INFORMATION.

5X4F LEAVES UGANDA. DUE TO INCREASING SECURITY PROBLEMS IN NORTHWEST UGANDA, PAUL, 5X4F, LEFT UGANDA APRIL 25TH. PAUL WILL SPEND THE NEXT 4 MONTHS IN THE US VISITING FAMILY AND FRIENDS. HE AND HIS WIFE PEGGY, 5X4G, HOPE TO RETURN TO ARUA IN SEPTEMBER.

9H, MALTA. NODXA MEMBERS AND FRIENDS FROM BERLIN WILL ONCE AGAIN BE ACTIVE FROM 9H. OPERATORS AND THEIR CALLSIGNS WILL BE: TOM/DL2RUM/9H3VP, RAGNAR/DL7URH/9H3VJO, TOM/DL7UTM/9H3/VN, HOLGER/DL7IO/9H3TY, AND BIRGIT, DL7IQ, USING 9H3TZ FOR THE YL CONTACTS. 9H3 CALLS FOR DL7UEA AND DL1YFF ARE TO BE ISSUED LATER.THE 7 TEAM OPERATORS PLAN TO BE ACTIVE IN THE CQWW WPX CW CONTEST ON MAY 26TH AND 27TH, FROM THE FANAL LIGHTHOUSE ON GOZO.

9M0, SPRATLY ISLANDS. JAAN, SM0OEK, CURRENTLY ACTIVE AS 9M2JJ IN MALAYSIA, IS THINKING ABOUT GOING TO PULAU LAYANG LAYANG (WHICH IS ONE OF THE ISLANDS IN THE SPRATLYS). PLANNING IS IN THE EARLY STAGES AND JAAN IS SOLICITING HELP FROM LOCAL HAMS IN MALAYSIA AND ANYONE THAT CAN PROVIDE INFORMATION TO GET THIS DXPEDITION AFOOT. JAAN CAN BE CONTACTED VIA INTERNET: SM0OEK'PC.JARING.MY

KH4, MIDWAY KH4. BILL, NH6D, IS ONCE AGAIN GOING OUT TO MIDWAY ISLAND (KH4), LEAVING HONOLULU ON THE EVENING OF MAY 16TH FOR AT LEAST ONE WEEK. BILL WILL BE ACTIVE ON ALL BANDS, SSB/CW; 80/160 METERS AT 22:00 LOCAL MIDWAY TIME. IF POSSIBLE, HE WILL STAY ON THE ISLAND FOR CQWW/WPX. BILL ALSO PLANS TO PUT A LOT OF EMPHASIS ON EU/AF QSO'S THIS TIME AROUND. QSL VIA KL7H/6.

VK9, CHRISTMAS ISLAND. GERBEN, PA0GAM WILL BE HERE AS VK9GA FROM MAY 23-27TH. HE WILL BE ACTIVE ON 80-10 METERS CW. QSL VIA PA0GIN, GEERT HEEMSTRA, NOORDERKROONSTRAAT 16, 9742XD GRONINGEN, NETHERLANDS.

XX9, MACAO. THE DXNS REPORT THAT MARTIN, AA1ON/G4DZC, WILL VISIT MACAO IN THE MIDDLE OF MAY ON HIS WAY BACK FROM A BUSINESS TRIP IN THAILAND. HE WILL TRY TO BE ACTIVE.

YO, ROMANIA. JEAN, F6AJA, WILL BE HERE AND ACTIVE AS YO/F6AJA DURING HIS FREE TIME (THIS WILL NOT BE A DXPEDITION, BUT HE WILL USE YO8FZ'S STATION DURING HIS STAY.), FROM MAY 20 TO 25TH.

ZF, CAYMAN ISLANDS. JUST A REMINDER! MIKE, W5ZPA -- DXAC REP FOR THE DELTA DIVISION -- WILL BE ACTIVE FROM GRAND CAYMEN AS ZF2PA, MAY 19-25TH. QSL VIA W5ZPA.

COMING EVENTS

JUNE	7TH	ANARTS MEETING
	8TH-9TH	ANARTS WW DIGITAL CONTEST

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President(Col) VK2CTD at VK2DAA, or the Secretary (Pat) VK2JPA at VK2WI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or by packet to VK2JPA at VK2WI. Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

73's de Pat VK2JPA Broadcast Officer
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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2DAA.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99